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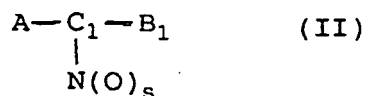
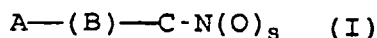
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(54) Title: PHARMACEUTICAL COMPOUNDS



(57) Abstract: Compounds or their salts having general formulas (I) and (II): wherein s is and integer equal to 1 or 2, preferably s = 2; A is the radical of a drug and is such as to meet the pharmacological tests reported in the description, C and C₁ are two bivalent radicals. The precursors of the radicals B and B₁ are such as to meet the pharmacological test reported in the description.



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INTERNATIONAL SEARCH REPORT

International Application No

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A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C07C203/04 C07C327/34 C07D209/28 C07D233/64 C07D495/04
 C07C211/49 C07F9/38 C07D295/088 C07D207/16 C07D499/32
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According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C07C C07D C07F C07H A61K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

BEILSTEIN Data, WPI Data, EPO-Internal, PAJ, CHEM ABS Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	EP 0 052 910 A (REINER ALBERTO & C) 2 June 1982 (1982-06-02) the whole document ---	1,8-10
A	EP 0 255 164 A (ZAMBON) 3 February 1988 (1988-02-03) the whole document ---	1,8-10
A	CHEMICAL ABSTRACTS, vol. 107, no. 7, 17 August 1987 (1987-08-17) Columbus, Ohio, US; abstract no. 59488w, page 781; XP002164473 abstract -& ES 8 609 231 A (FARMHISPANIA) 10 December 1986 (1986-12-10) ---	1,8-10
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Date of the actual completion of the international search

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International Application No

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A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C07D401/12 C07D407/04 C07D417/12 C07H15/252 A61K31/21

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Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	EP 0 103 320 A (EDMOND PHARMA) 21 March 1984 (1984-03-21) example 3 ---	1,8-10
A	WO 98 47534 A (KLINGE PHARMA) 29 October 1998 (1998-10-29) page 12 -page 13 ---	1,8-10
A	US 5 597 847 A (J.A. MATJI, ET AL.) 28 January 1997 (1997-01-28) column 1, line 47 - line 67; examples 1,2 --- -/--	1,8-10

☒ Further documents are listed in the continuation of box C.

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International Application No

PCT/EP 00/03234

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	G. CIRINO, ET AL.: "Inhibition of inducible nitric oxide synthase expression by novel nonsteroidal anti-inflammatory derivatives with gastrointestinal sparing properties" BRITISH JOURNAL OF PHARMACOLOGY, vol. 117, no. 7, April 1996 (1996-04), pages 1421-1426, XP000938504 Stockton Press, Basingstoke, GB ISSN: 0007-1188 the whole document	1,8-10
A	G. BENINI, ET AL.: "Plasma concentrations and pharmacokinetic parameters of nitrofenac using a simple and sensitive HPLC method" JOURNAL OF PHARMACEUTICAL SCIENCES, vol. 84, no. 1, January 1995 (1995-01), pages 93-95, XP002164443 American Pharmaceutical Association, Washington, DC, US ISSN: 0022-3549 the whole document	1,8-10
A	US 5 861 426 A (P. DEL SOLDATO, ET AL.) 19 January 1999 (1999-01-19) column 2, line 51 - line 67; examples	1,8-10

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

Continuation of Box I.2

Claims Nos.: 1,2 4-10 (not searched in part), 3 (not searched)

Present claims 1-10 relate to an extremely large number of possible compounds. Support within the meaning of Article 6 PCT and/or disclosure within the meaning of Article 5 PCT is to be found, however, for only a very small proportion of the compounds claimed. In the present case, the claims so lack support, and the application so lacks disclosure, that a meaningful search over the whole of the claimed scope is impossible.

Furthermore, present claims 1-10 relate to compounds defined by reference to a desirable characteristic or property, namely that their precursors attain a certain level of anti-oxidative activity evidenced according to test 4 (which is elucidated in claim 1) and at least a certain level of at least one of (a) gastrointestinal damage, (b) apoptosis or (c) hepatic damage and/or gastric damage and/or cardiovascular damage evidenced according to tests 1 to 3 (also elucidated in claim 1). Since the combination of these properties (anti-oxidative activity and lower toxicity) is in fact the problem to be solved by the compounds of the present application (see page 9, lines 1-11 of the description), this means that the claimed compounds are defined in terms of their being a solution to this problem.

The claims cover all compounds having this characteristic or property, whereas the application provides support within the meaning of Article 6 PCT and/or disclosure within the meaning of Article 5 PCT for only a very limited number of such compounds. In the present case, the claims so lack support, and the application so lacks disclosure, that a meaningful search over the whole of the claimed scope is impossible. Independent of the above reasoning, the claims also lack clarity (Article 6 PCT). An attempt is made to define the compound by reference to a result to be achieved. Again, this lack of clarity in the present case is such as to render a meaningful search over the whole of the claimed scope impossible. Consequently, the search has been carried out for those parts of the claims which appear to be clear, supported and disclosed, namely those parts relating to the compounds prepared in examples 1-28.

The applicant's attention is drawn to the fact that claims, or parts of claims, relating to inventions in respect of which no international search report has been established need not be the subject of an international preliminary examination (Rule 66.1(e) PCT). The applicant is advised that the EPO policy when acting as an International Preliminary Examining Authority is normally not to carry out a preliminary examination on matter which has not been searched. This is the case irrespective of whether or not the claims are amended following receipt of the search report or during any Chapter II procedure.

INTERNATIONAL SEARCH REPORT

Information on patent family members

Internal Application No

PCT/EP 00/03234

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